

# ABSTRACT OF SANITARY REPORTS.

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No. 14.

TREASURY DEPARTMENT, U. S. Marine-Hospital Service.—Published in accordance with act of Congress approved February 15, 1893.

## UNITED STATES.

[Reports to the Supervising Surgeon-General M. H. S.]

*Smallpox in Chicago, Ill.*

DEPARTMENT OF HEALTH,  
*Chicago, April 3, 1894.*

SIR: Yours of March 31 asking for information regarding the prevalence and mortality of smallpox in Chicago received. During 1893 we had in Chicago 140 cases of smallpox. Excepting March and May it occurred every month during the year. Thirty-five cases, however, were in November and 66 in December. There were 23 deaths, none of which occurred in any who had been successfully vaccinated, and but few of the cases could be traced to their origin. Some, however, were traced beyond the city, others to immigrants as the most probable source of infection, yet early in the summer we found 3 cases within two days in three different sections of the city.

Careful and extended investigation leads me to the belief that during the early summer there were several cases of smallpox of a very mild character among people who mingle continuously with the public, the disease being so mild that a physician was not necessary; consequently a diagnosis was not made. In 1893 the disease occurred at 97 different points. From not one of these points did secondary cases occur after we disinfected the premises.

During January, 1894, there were 188 cases. There were 29 deaths, 7 of which occurred outside of the hospital and were of the hemorrhagic form. None of the 7 had been vaccinated, and but few of the 29 fatal cases had any evidence of successful vaccination.

In February there were 233 cases, with 55 deaths. These were largely among adults of the lodging house class, who were greatly debilitated by dissolute habits and dissipation. The death rate in the unvaccinated was 50 per cent, and was very much greater among adults than among children. The disease was found in 93 different points, all of which were thoroughly disinfected.

During the month of March we have had 305 cases, with about 95 deaths. The vaccinal history is but a repetition of previous months. We have used since December 226,400 vaccine points. We use mostly the Chelsea and Marietta virus, and have uniformly good results from both. Vaccination is still being pursued with intelligence and vigor. We have made a house-to-house inspection with the aid of the police force of the city, looking after concealed cases. So far the police have

not found any cases that have not already been announced, and it is demonstrated further that physicians report almost faultlessly contagious diseases of every kind.

This inspection will be continued until the city has been gone over three or four times. Our public schools have required vaccination for many years as one of the requirements of admission, and through a letter from me to his grace the archbishop an order was issued from him to all Catholic schools urging vaccination and cooperation with this department. All the children of public schools have been revaccinated, and of the parochial schools as well. With this thorough vaccination and rigid disinfection done by us, although the infection seems to be in the poorer quarters of the city rather widespread, yet we do not believe it possible that the disease can assume much greater proportions than at the present time. Indeed, we have every reason to believe that with this work and the approach of warmer weather the disease may be entirely abated before fall.

Very truly, yours,

ARTHUR R. REYNOLDS,  
*Commissioner of Health.*

*One case of smallpox on the U. S. revenue cutter Manhattan.*

NEW YORK, March 28, 1894.—I have the honor to report that a seaman from the U. S. revenue cutter *Manhattan* presented himself at the marine-hospital office yesterday for treatment, and was found to be suffering from smallpox. The case was turned over to the bureau of contagious diseases of the city of New York. The history of the case, as given by the patient, would indicate that the disease was contracted in Brooklyn, and it is believed that it is on the increase both in that city and in New York.—H. D. GEDDINGS, *Passed Assistant Surgeon, M. H. S.*

*Smallpox at Chattanooga, Tenn.*

CHATTANOOGA, March 31, 1894.—I have the honor to report the development of 4 more cases of smallpox. The local authorities have used every precaution in the way of isolation, vaccination, and disinfection to prevent its spread. Revaccination is urged by the State board of health, and an expert has been employed by the local board to stamp out the disease.—J. T. SHEPHERD, *Acting Assistant Surgeon, M. H. S.*

*Smallpox at Kalamazoo, Mich.*

LANSING, March 28, 1894.—It becomes my duty to inform you that 1 case of smallpox exists at Kalamazoo, this State. The person sick is Walter Jackson, colored, aged 15, a resident of this place. The origin of the disease is probably Chicago, as the person now sick returned from Chicago March 13, after staying there one week. The measures taken to restrict are vaccination and isolation of all persons exposed except a 13-year-old boy who went to Grand Rapids, March 26.—HENRY B. BAKER, *Secretary Michigan State Board of Health.*

*Smallpox at San Antonio.*

AUSTIN, TEX., March 28, 1894.—You are hereby informed that 1 case of smallpox has been reported to this office as existing in San Antonio, Bexar County, this State. The origin of the disease is Piedras Negras, Mexico. Precautions taken: Isolation and disinfection; segregation and vaccination of those exposed.—R. M. SWEARINGEN, *State Health Officer.*

*Report of immigration at Boston for the week ended March 31, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, Mass., April 2, 1894.**Number of alien immigrants who arrived at this port during the week ended March 31, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894.			
Mar. 28	Steamship Italia.....	Hamburg, Germany.....	128
31	Steamship Carthagénian.....	Glasgow via Liverpool.....	25
	Total.....		153

S. C. WRIGHTINGTON,  
*Commissioner of Immigration.**Report of immigration at New York for the week ended March 31, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, April 2, 1894.**Number of alien immigrants who arrived at this port during the week ended March 31, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894.			
Mar. 25	Steamship Rugia.....	Naples.....	506
25	Steamship La Touraine.....	Havre.....	331
25	Steamship New York.....	Southampton.....	372
25	Steamship Etruria.....	Liverpool and Queenstown.....	225
26	Steamship Augusta Victoria.....	Genoa and Gibraltar.....	359
26	Steamship Venetia.....	Helsingborg, Gothenborg, etc.....	297
26	Steamship Gellert.....	Hamburg.....	203
28	Steamship Grecian.....	Glasgow.....	26
29	Steamship Teutonic.....	Liverpool and Queenstown.....	433
29	Steamship Havel.....	Bremen.....	286
29	Steamship Bohemia.....	Hamburg.....	170
29	Steamship Donna Maria.....	Lisbon and The Azores.....	227
30	Steamship Galileo.....	Rio de Janeiro.....	1
30	Steamship Noordland.....	Antwerp.....	126
30	Steamship P. Caland.....	Rotterdam.....	66
30	Steamship Rotterdam.....	do.....	87
31	Steamship Lucania.....	Liverpool and Queenstown.....	555
31	Steamship Furuesia.....	Glasgow.....	151
31	Steamship St. Renans.....	London.....	2
	Total.....		4,423

Dr. J. H. SENNER,  
*Commissioner of Immigration.**Report of immigration at Philadelphia for the week ended March 31, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Philadelphia, Pa., March 31, 1894.**Number of alien immigrants who arrived at this port during the week ended March 31, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894.			
Mar. 30	Steamship Indiana.....	Liverpool.....	94
31	Steamship Illinois.....	Antwerp.....	152
	Total.....		246

JNO. J. S. RODGERS,  
*Commissioner of Immigration.*

*Report of immigration at San Francisco for the week ended March 24, 1894.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of San Francisco, March 24, 1894.**Number of alien immigrants who arrived at this port during the week ended March 24, 1894;  
also names of vessels and ports from which they arrived.*

Date.	Vessel.	Where from.	No. of immigrants.
1894.			
Mar. 20	Steamship City of Pekin.....	Hongkong and Yokohama.....	74
22	Steamship Umatilla.....	Victoria, British Columbia.....	26
22	Steamship St. Paul.....	Mazatlan, Mexico.....	4
23	Steamship San Juan.....	Panama and way ports.....	3
	Total.....		107

WALTER P. STRADLEY,  
*Commissioner of Immigration.**Report of States and yearly and monthly reports of cities.*

CONNECTICUT—*New Haven.*—Month of February, 1894. Population, 50,000. Total deaths, 131; including phthisis pulmonalis, 21; enteric fever, 1; diphtheria and croup, 8; and whooping cough, 1.

MAINE—*Portland.*—Four weeks ended March 24, 1894. Estimated population, 40,000. Total deaths, 63; including phthisis pulmonalis, 3; and enteric fever, 1.

MICHIGAN.—Week ended March 24, 1894. Reports to the State board of health, Lansing, from 56 observers indicate that pneumonia, rheumatism, influenza, and tonsilitis increased and that remittent fever decreased in area of prevalence. Scarlet fever was reported present during the week at 54 places, diphtheria at 32, measles at 19, enteric fever at 14, and smallpox at 4 places.

MISSOURI—*Kansas City.*—Month of December, 1893. Population, 132,716. Total deaths, 148, including phthisis pulmonalis, 23; enteric fever, 3; scarlet fever, 1; croup, 2; and measles, 1.

NEW YORK.—Month of February, 1894. Reports to the State board of health from 8 districts, including New York City, Brooklyn, and 154 other cities, towns, and villages, show a total of 9,417 deaths, including phthisis pulmonalis, 1,063; smallpox, 14; enteric fever, 86; scarlet fever, 139; diphtheria and croup, 527; measles, 125; and whooping cough, 60.

The Monthly Bulletin says:

The 9,417 deaths reported during February represent a daily mortality of 336, against 353 in January and 342 in December, during all of which months there has been a moderate prevalence of influenza, causing 1,000 deaths in December and 1,200 in January. It appears to have caused about 500 deaths in February, the same as in February, 1893, when, however, the epidemic, instead of apparently receding, was slowly progressing, and culminated in March. The proportion of infant mortality is higher than it has been since October (31.2 per cent), but the number of deaths from the common infectious diseases is unusually small, being 1,174, against 1,355 in January, 1,441 in December, and 1,277 in February, 1893.



Typhoid fever continues to show an unusually low prevalence in all parts of the State. The same is true of scarlet fever. Measles continues an excessive prevalence in New York, but 19 of the 125 deaths being reported from the rest of the State. From diphtheria 400 of 527 deaths occurred in the maritime district, but it diminishes materially there. Smallpox caused 52 deaths, the largest number in one month in ten years; of these 27 were reported from New York, 20 from the Kings County Hospital and Brooklyn, 2 from Troy, and 1 each from Utica and Yonkers. Since March 1 it has developed in Manchester, Ontario County, whence it spread to Palmyra, Ontario, and Walworth; in Red Hook, Dutchess County, where a number of cases have occurred, and spread to Coxsackie; in Binghamton, Mount Vernon, and Flatlands, Long Island. In most of these localities it is limited to one family. There were 500 fewer deaths from acute respiratory diseases, and about the same as in February, 1893. The temperature for the month was 3 degrees below the normal ( $27^{\circ}$ ), in January having been 5 degrees above; the precipitation was excessive in all parts of the State.

WISCONSIN—*Racine*.—Month of January, 1894. Estimated population, 26,000. Total deaths, 27, including phthisis pulmonalis, 7; croup, 1; diphtheria, 2; and whooping cough, 1.

Month of February, 1894. Total deaths, 20, including phthisis pulmonalis, 2; and whooping cough, 1.

Month of March, 1894. Total deaths, 27, including phthisis pulmonalis, 4; and whooping cough, 1.

#### PUBLICATIONS RECEIVED.

Annual Report of the Health Department of Baltimore for the Year 1893.

Annual Report of the Board of Health of the City of Brockton, Year ended November 30, 1893.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

[illegible]

Table of temperature and rainfall, week ended March 26, 1894.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>New England States:</b>						
Eastport, Me.....	30	0		1.09		.31
Portland, Me.....	23	2		.71	.42	
Northfield, Vt.....	27	3		.66		.05
Boston, Mass.....	36	3		.98		.40
Nantucket, Mass.....	35	4		.86		.17
Block Island, R. I.....	36	4		.90		.08
New London, Conn.....	38	3		1.09		.46
<b>Middle Atlantic States:</b>						
Albany, N. Y.....	35	3		.63		.13
New York, N. Y.....	39	5		.91		.05
Philadelphia, Pa.....	40	8		.70	.31	
Atlantic City, N. J.....	39	8		.90		.30
Baltimore, Md.....	44	5		.89	.04	
Washington, D. C.....	43	6		.96		.36
Lynchburg, Va.....	46	10		.84		.57
Norfolk, Va.....	48	9		1.05	.14	
<b>South Atlantic States:</b>						
Charlotte, N. C.....	52	8		1.04		.71
Wilmington, N. C.....	55	10		.94		.07
Charleston, S. C.....	58	8		.91		.26
Augusta, Ga.....	57	7		1.18		.01
Savannah, Ga.....	60	7		.84	.42	
Jacksonville, Fla.....	63	8		.70	.65	
Titusville, Fla.....	66	5		.63		.15
Jupiter, Fla.....	70	3		.36	.04	
Key West, Fla.....						
<b>Gulf States:</b>						
Atlanta, Ga.....	53	3		1.28		.36
Pensacola, Fla.....	62	1		1.23	.84	
Mobile, Ala.....	61	0		1.79	1.48	
Montgomery, Ala.....	59	0		1.37	1.25	
Vicksburg, Miss.....	60		2	1.47	.85	
New Orleans, La.....	64		2	1.33	1.23	
Shreveport, La.....	60		7	1.07	1.53	
Fort Smith, Ark.....	54		8	.66	.08	
Little Rock, Ark.....	55		7	1.02	1.32	
Palestine, Tex.....	61		8	.98	.04	
Galveston, Tex.....	64		4	.70	.78	
San Antonio, Tex.....	64		6	.54		.54
Corpus Christi, Tex.....	65		4	.35		.23
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	54		3	1.26	.18	
Nashville, Tenn.....	51	0		1.12		.48
Chattanooga, Tenn.....	53	3		1.40	1.46	
Knoxville, Tenn.....	50	5		1.26		.47
Louisville, Ky.....	48	1		.95	.00	
Indianapolis, Ind.....	42	2		.89	.17	
Cincinnati, Ohio.....	45	2		.77		.17
Columbus, Ohio.....	41	5		.70	.05	
Parkersburg, W. Va.....	43	7		.77	.42	
Pittsburg, Pa.....	41	6		.66	.48	
<b>Lake Region:</b>						
Oswego, N. Y.....	32	3		.61	.46	
Rochester, N. Y.....	32	4		.70	.23	
Buffalo, N. Y.....	32	4		.60	.46	
Erie, Pa.....	35	2		.63	.68	
Cleveland, Ohio.....	35	5		.63	.31	
Sandusky, Ohio.....	36	3		.56	.02	
Toledo, Ohio.....	37	1		.49	.07	
Detroit, Mich.....	36	0		.55		.05
Port Huron, Mich.....	31	4		.63		.28
Alpena, Mich.....	26	2		.46		.20
Marquette, Mich.....	25		3	.35	2.58	
Green Bay, Wis.....	28	1		.55		.11
Grand Haven, Mich.....	33	0		.56	.00	
Milwaukee, Wis.....	31	1		.56	.18	
Chicago, Ill.....	35	2		.59		.46
Duluth, Minn.....	27		6	.35	1.60	
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	32		6	.33	1.24	
La Crosse, Wis.....	34		5	.37		.06

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.

†Data missing.

Table of temperature and rainfall, week ended March 26, 1894—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	*Excess.	*Deficiency.	Normal.	Excess.	Deficiency.
<b>Upper Mississippi Valley—Cont'd.</b>						
Dubuque, Iowa.....	36	.....	2	55	.....	30
Davenport, Iowa.....	38	.....	1	49	.....	45
Des Moines, Iowa.....	38	.....	4	32	01	.....
Keokuk, Iowa.....	41	.....	1	49	.....	32
Springfield, Ill.....	42	.....	1	56	.....	44
Cairo, Ill.....	49	.....	2	84	28	.....
St. Louis, Mo.....	46	.....	1	70	.....	34
<b>Missouri Valley:</b>						
Springfield, Mo.....	47	.....	6	77	.....	53
Kansas City, Mo.....	45	.....	6	47	.....	37
Wichita, Kans.....	46	.....	7	63	.....	62
Concordia, Kans.....	42	.....	8	50	.....	50
Omaha, Nebr.....	40	.....	7	40	.....	18
Valentine, Nebr.....	36	.....	16	28	78	.....
Huron, S. Dak.....	33	.....	12	14	65	.....
Pierre, S. Dak.....	34	.....	14	14	112	.....
Moorehead, Minn.....	25	.....	8	17	140	.....
St. Vincent, Minn.....	20	.....	6	17	37	.....
Bismarck, N. Dak.....	28	.....	14	22	179	.....
Williston, N. Dak.....	29	.....	15	11	79	.....
<b>Rocky Mountain Slope:</b>						
Havre, Mont.....	34	.....	11	14	.....	14
Helena, Mont.....	37	.....	11	14	01	.....
Rapid City, S. Dak.....	35	.....	16	21	44	.....
Spokane, Wash.....	42	.....	0	28	.....	28
Walla Walla, Wash.....	48	.....	0	35	.....	35
Winnemucca, Nev.....	42	.....	5	21	.....	17
Salt Lake City, Utah.....	44	.....	6	43	.....	36
Cheyenne, Wyo.....	37	.....	18	14	77	.....
North Platte, Nebr.....	40	.....	15	14	148	.....
Denver, Colo.....	42	.....	17	23	24	.....
Pueblo, Colo.....	44	.....	12	14	.....	08
Dodge City, Kans.....	46	.....	12	21	.....	11
Abilene, Tex.....	58	.....	11	38	.....	37
Santa Fe, N. Mex.....	42	.....	10	19	.....	09
El Paso, Tex.....	58	.....	11	07	.....	07
Tucson, Ariz.....	61	.....	10	21	.....	15
<b>Pacific Coast:</b>						
Port Angeles, Wash.....	43	.....	2	49	.....	44
Olympia, Wash.....	46	.....	1	104	.....	92
Portland, Oreg.....	50	.....	1	119	.....	108
Roseburg, Oreg.....	50	.....	2	70	.....	53
Red Bluff, Cal.....	56	.....	2	77	.....	77
Sacramento, Cal.....	57	.....	2	70	.....	70
San Francisco, Cal.....	55	.....	2	70	.....	70
Fresno, Cal.....	57	.....	4	31	.....	31
Los Angeles, Cal.....	58	.....	2	59	.....	59
San Diego, Cal.....	57	.....	4	28	.....	28
Yuma, Ariz.....	66	.....	.....	00	00	.....

\*The figures in these columns represent the average daily departure. To obtain the average weekly departure these should be multiplied by seven.



## FOREIGN.

[Reports received from the U. S. consuls through the Department of State and from other sources.]

## BELGIUM.

*Cholera in Belgium.*

U. S. CONSULATE,  
Antwerp, March 8, 1894.

SIR: About three weeks ago I learned, from a source apparently reliable, that cholera had appeared in Belgium, at Herenthals in this consular district, and at Charleroi and Namur in the Brussels district.

I immediately began investigations, and am now prepared to state definitely that a few cases have appeared recently and now exist at Namur.

I can not name the number of cases (or deaths), as my efforts to this end have not been so far successful.

I see no reason to apprehend an epidemic, nor even to anticipate any serious spread or increase of the disease, but I have deemed it best to bring to your attention the fact of its appearance.

I am, sir, your obedient servant,

HARVEY JOHNSON,  
U. S. Consul.

To the HON. ASSISTANT SECRETARY OF STATE.

## CANADA.

*Smallpox at Burgessville, Ontario.*

TORONTO, March 27, 1894.—I have to inform you that 2 cases of smallpox exist near Burgessville, in the county of Oxford, province of Ontario, in the cases of 2 persons, residents, exposed to first case reported.—P. H. BRYCE, *Secretary to the Provincial Board of Health.*

*Epidemic of measles at Coaticook.*

Under date of April 2, 1894, the U. S. consul at Coaticook reports that there were 75 cases of measles with 1 death therefrom in that town during the week ended March 31. (Population, 2,500.)

## NOVA SCOTIA.

*Arrival of immigrants at Halifax.*

HALIFAX, March 27, 1894.—I have the honor to inform you of the arrival at this port this morning of the steamship *Oregon* from Liverpool, having on board 61 passengers destined for the United States. No sickness during the passage. A few were Russians, but none of the emigrants were from parts requiring disinfection under the recent order remitted to you.—DARIUS H. INGRAHAM, *Consul-General.*

HALIFAX, March 29, 1894.—I have the honor to report the arrival here to-day of the steamship *Carthagenian* from Liverpool, with 45 emigrants destined for the United States. One death occurred yesterday on board, a child 5 months old, from acute bronchitis. All well. No disinfection of baggage.—DARIUS H. INGRAHAM, *Consul-General.*

MEXICO.

*Smallpox at Cocorit.*

NOGALES, ARIZ., March 24, 1894.

SIR: I have the honor to transmit for your consideration a letter from the U. S. consul at Guaymas, Sonora, Mexico; calling attention to the fact of smallpox existing on the Yaqui River; the place mentioned is where considerable work is being done in constructing a large canal for colonization purposes, by a company from the State of New York, and considerable travel is constantly passing through this port to and from that point.

Very respectfully,

SAM. F. WEBB,  
*Collector of Customs.*

To the Hon. SECRETARY OF THE TREASURY.

[Inclosure.]

GUAYMAS, MEXICO, March 20, 1894.

DEAR SIR: I write to inform you that by investigation I have on this date been told that smallpox exists on the Yaqui River at a place called Cocorit, about 100 miles from Guaymas, and while said disease is to some extent common in Mexico, and more especially in Sonora, I thought it wise to notify you of the situation, which is about as follows: There are now some 6 or 8 cases of said disease at the place mentioned, though from what I can learn no epidemic is expected; however, the same is possible. \* \* \*

Should I at any time obtain further information I will write you at once.

Your obedient servant,

JOHN S. GIBSON, JR.,  
*U. S. Consul.*

Hon. SAM. WEBB, *Nogales, Ariz.*

SANDWICH ISLANDS.

*Smallpox on the American ship Horatio at Honolulu.*

HONOLULU, March 4, 1894.—I have to inform you that the American whaler *Horatio* anchored outside the reef at this port yesterday evening. Several deaths from smallpox occurred before she reached here, and a number of the crew were ill from the same disease. The sick men have been taken from the ship to the quarantine station. These are all the particulars I can learn at present.—ELLIS MILLS, *Consul-General.*

HONOLULU, March 8, 1894.—Referring to my dispatch, of the 4th instant, I have to inform you that 6 men from the American whaling ship *Horatio* have been removed to the quarantine station. Several men died during the voyage to this place, but I have not yet been able to ascertain their names. The vessel is closely guarded, and all communication with the shore is cut off.—ELLIS MILLS, *Consul-General.*

To the Hon. ASSISTANT SECRETARY OF STATE.

STATISTICAL REPORTS.

AUSTRALIA—*Melbourne and suburbs.*—Month of November, 1893. Population, 474,810. Total deaths, 561, including phthisis pulmonalis, 61; enteric fever, 2; scarlet fever, 1; measles, 2; and whooping cough, 2.

Month of December, 1893. Total deaths, 667, including phthisis pulmonalis, 77; enteric fever, 9; scarlet fever, 1; diphtheria, 3; measles, 2; and whooping cough, 3.

CUBA—*Havana*.—Under date of March 24, 1894, the U. S. sanitary inspector reports as follows:

There were 130 deaths in this city during the week ended March 22, 1894. One of those deaths was caused by smallpox with 20 new cases approximately, 4 were caused by so-called pernicious fever, 4 by enteric fever, 4 by diphtheria, 8 by pneumonia, 8 by chronic entero-colitis, 1 by dysentery, and 1 by cholera infantum.

GREAT BRITAIN—*England and Wales*.—The deaths registered in 33 great towns of England and Wales during the week ended March 17, corresponded to an annual rate of 19.2 a thousand of the aggregate population, which is estimated at 10,458,442. The lowest rate was recorded in Brighton, viz, 13.6, and the highest in Liverpool, viz, 25.6 a thousand.

*London*.—One thousand six hundred and ten deaths were registered during the week, including smallpox, 3; measles, 74; scarlet fever, 19; diphtheria, 52; whooping cough, 55; enteric fever, 14; and diarrhea and dysentery, 10. The deaths from all causes corresponded to an annual rate of 19.3 a thousand. In greater London 2,043 deaths were registered, corresponding to an annual rate of 17.9 a thousand of the population. In the "outer ring" the deaths included smallpox, 3; diphtheria, 16; whooping cough, 13; measles, 11; and scarlet fever, 7.

*Ireland*.—The average annual death rate represented by the deaths registered during the week ended March 17 in the 16 principal town districts of Ireland was 19.2 a thousand of the population. The lowest rate was recorded in Londonderry, viz, 9.4, and the highest in Lurgan, viz, 36.5 a thousand. In Dublin and suburbs 173 deaths were registered, including measles, 1; whooping cough, 5; and enteric fever, 2.

*Scotland*.—The deaths registered in 8 principal towns during the week ended March 17 corresponded to an annual rate of 21.0 a thousand of the population, which is estimated at 1,447,500. The lowest mortality was recorded in Paisley, viz, 13.3, and the highest in Glasgow, viz, 22.9 a thousand. The aggregate number of deaths registered from all causes was 600, including smallpox, 3; measles, 3; scarlet fever, 8; diphtheria, 8; whooping cough, 30; and "fever," 8.

*Dundee*.—Month of February, 1894. Total deaths, 256, including scarlet fever, 22; enteric fever, 8; typhus fever, 3; diphtheria, 16; measles, 15; chicken pox, 22; and whooping cough, 4.

GUIANA—*Paramaribo*.—Month of January, 1894. Population, 29,231. Total deaths, 98, including 1 from leprosy.

INDIA—*Singapore*.—Month of January, 1894. Total deaths, 954, including smallpox 2, and fever, 159.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Menses.
											Whooping cough.
Acapulco.....	Mar. 21....	4,000	4								
Aix la Chapelle.....	Mar. 10....	108,324	36								
Alexandria.....	Mar. 1....	231,396	241					8	1	2	
Amsterdam.....	Mar. 17....	426,480	174							4	1
Antigua.....	Mar. 10....	16,664	12								
Antigua.....	Mar. 17....	16,664	13								
Barinen.....	Mar. 10....	122,000	47							2	2
Basle.....	Mar. 10....	80,000	29								1
Batoum.....	Mar. 13....	28,000	4								
Belfast.....	Mar. 17....	269,200	153					8		3	11
Belleville.....	Mar. 24....	10,201	5								
Birmingham.....	Mar. 17....	492,301	170		8			2	1	1	7
Bologna.....	Mar. 17....	146,068	82							6	
Bradford.....	Mar. 17....	221,610	80					1			
Bremen.....	Mar. 10....	127,000	57							7	2
Bristol.....	Mar. 20....	226,578	89					3			
Brussels.....	Mar. 10....	483,081	200					2			
Buda Pesth.....	Feb. 26....	600,000	21					1		11	6
Buda Pesth.....	Mar. 12....	600,000	11							7	3
Cairo.....	Mar. 1....	374,838	358					8			
Calcutta.....	Feb. 17....	681,560	485	77		2				1	1
Cardenas.....	Mar. 24....	23,517	10								
Cardiff.....	Mar. 17....	148,890			1						2
Catania.....	Mar. 11....	103,000	86					1		2	
Ceiba.....	Mar. 18....	5,000	1								
Chemnitz.....	Mar. 10....	150,000	64							5	
Christiania.....	Mar. 17....	167,145	50							10	1
Cienfuegos.....	Mar. 24....	23,000	11		1						
Cognac.....	Mar. 18....	17,500	8					1		2	
Cologne.....	Mar. 10....	306,550	127					2		4	2
Colon.....	Mar. 17....	5,000	7								
Copenhagen.....	Mar. 10....	341,000	136					6			
Crefeld.....	Mar. 18....	10,700	38							4	
Curacao.....	Mar. 17....	27,493	6								
Danzig.....	Mar. 17....	121,000	63							1	
Denia.....	Mar. 19....	14,000	4								
Dresden.....	Mar. 10....	312,770	140							14	
Dublin.....	Mar. 17....	350,000	173								2
Dundee.....	Mar. 17....	158,719	66								
Dunkirk.....	Mar. 18....	140,000	30					1			4
Dusseldorf.....	Mar. 10....	162,832	60			1				2	
Edinburgh.....	Mar. 17....	270,588	103			2			1	2	
Payal.....	Feb. 24....	23,382	3								
Payal.....	Mar. 3....	23,382	2								
Payal.....	Mar. 10....	23,382	3								
Flushing.....	Mar. 17....	15,198	3								
Frankfort on the Main.....	Mar. 17....	196,000	68					1		7	
Funchal.....	Mar. 3....	35,665	25								
Funchal.....	Mar. 10....	35,665	16					2			
Genoa.....	Mar. 17....	181,969	91							6	
Ghent.....	Mar. 17....	153,803	61					1		2	
Gibraltar.....	Mar. 11....	25,755	7								
Gibraltar.....	Mar. 18....	25,755	12								
Girgenti.....	Mar. 10....	23,847	7								
Glasgow.....	Mar. 17....	686,820	303		1			7	4	6	2
Gothenburg.....	Mar. 10....	108,000	36							4	
Guelph.....	Mar. 24....	10,689	1								
Halifax.....	Mar. 24....	38,700	22							1	
Hamburg.....	Mar. 17....	647,479	202					1		4	4
Hanover.....	Mar. 3....	197,000	81						3		
Havana.....	Mar. 22....	200,048	130		1			4		4	
Higo.....	Feb. 10....	153,055	69						1		
Higo.....	Feb. 17....	153,055	121								1
Kehl.....	Mar. 10....	129,556	75					1		5	
Kingston.....	Mar. 30....	19,264	4								
Konigsberg.....	Mar. 17....	167,000									
Leeds.....	Mar. 17....	388,761	136						2	3	1
Leghorn.....	Mar. 17....	103,230	41					1		1	
Leth.....	Mar. 17....	72,003	23								2
Licata.....	Mar. 10....	20,000	18					1		1	
Liverpool.....	Mar. 17....	517,980	249					3	7	8	1
London.....	Mar. 17....	5,948,300	3,043		6			17	26	68	85
Lyons.....	Mar. 10....	600,000	233					1		5	4
Madrid.....	Mar. 9....	482,816	512		2					1	



## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Magdeburg.....	Mar. 10....	219,165	97						1	16	2	
Manchester.....	Mar. 17....	522,365	210						1	3	5	10
Mannheim.....	Mar. 10....	88,000	26									
Maracaibo.....	Mar. 3....	40,000	18						1	3		
Maracaibo.....	Mar. 10....	40,000	17									
Maracaibo.....	Mar. 17....	40,000	18									
Marsala.....	Mar. 3....	40,131	29					1				
Marsala.....	Mar. 10....	40,131	21									
Matanzas.....	Mar. 21....	40,000	16									
Matamoras.....	Mar. 23....	8,000	6									
Mayence.....	Mar. 10....	72,281	41							4		
Mayence.....	Mar. 17....	72,281	26							1		
Merida.....	Mar. 8....	46,680	38									
Merida.....	Mar. 15....	46,680	37									
Montevideo.....	Jan. 6....	225,662	66					1		1		
Montevideo.....	Jan. 13....	225,662	63					1				
Moscow.....	Mar. 11....	800,000	496			1		3	8	16	12	
Munich.....	Mar. 10....	390,000	172							6		
Newcastle on Tyne.....	Mar. 17....	201,947	47							1		7
Nogales.....	Mar. 24....	1,200	1									
Nuremberg.....	Mar. 3....	155,312	76						3	3	2	
Odessa.....	Mar. 10....	324,500	134				5	1	5	7		
Palermo.....	Mar. 10....	250,000	121					4		4		
Paris.....	Mar. 17....	2,424,705	1,107					71	5	30	20	8
Paso del Norte.....	Mar. 24....	7,000	5									
Plymouth.....	Mar. 17....	85,610	33						1			2
Port au Prince.....	Mar. 5....	40,000	11									
Port au Prince.....	Mar. 12....	40,000	20									
Port au Prince.....	Mar. 19....	40,000	21									
Prague.....	Mar. 17....	188,140	152					7		3	4	
Puerto Cabello.....	Mar. 10....	10,500	12									
Puerto Cabello.....	Mar. 17....	10,500	14									
Queenstown.....	Mar. 17....	15,000	3									
Rheims.....	Mar. 17....	105,408	51								7	1
Rome.....	Mar. 17....	450,991	216							2		
Rotterdam.....	Mar. 17....	228,596	102			12			1	3		
Sagua la Grande.....	Mar. 24....	17,536	11									
St. Petersburg.....	Mar. 3....	1,100,000	1	1		1	1	8	4	11	19	6
St. Stephens.....	Mar. 24....	2,700	1									
Schiedam.....	Mar. 17....	25,580	8									
Sheffield.....	Mar. 17....	337,270	118					2	2	2	1	4
Sonneberg.....	Mar. 11....	12,000	5									
Southampton.....	Mar. 17....	66,774	16									2
Stettin.....	Mar. 10....	125,000	58						1	4		
Stockholm.....	Mar. 17....	249,246	87						1	3		
Stuttgart.....	Mar. 15....	139,659	45							6		
Sunderland.....	Mar. 17....	136,101	.....									1
Swansea.....	Mar. 17....	95,390	42									2
Trapani.....	Mar. 10....	43,095	10					2		1	3	
Trieste.....	Mar. 10....	158,314	107			1				5	5	
Truxillo.....	Mar. 10....	5,000	1									
Tuxpan.....	Mar. 17....	10,280	7									
Venice.....	Mar. 10....	160,406	93									
Vera Cruz.....	Mar. 22....	25,500	39									
Victoria.....	Mar. 10....	16,841	7									
Victoria.....	Mar. 17....	16,841	4									
Vienna.....	Mar. 3....	1,465,537	791					2	9	40	14	1
Warsaw.....	Mar. 10....	515,654	184			6	2		1	9	1	1
Zurich.....	Mar. 3....	115,000	40							1	1	4

By authority of the Secretary of the Treasury :

WALTER WYMAN,  
Supervising Surgeon-General Marine-Hospital Service.